## CLAIMS

1. A reversibly immortalized mammalian liver cell line or a passage cell line thereof, containing an immortalizing gene interposed between a pair of site-specific recombination sequences and a suicide gene in the outside of the pair of site-specific recombination sequences, wherein the suicide gene can exhibit its function after excision of the pair of site-specific recombination sequences.

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- 2. The reversibly immortalized mammalian liver cell line or the passage cell line thereof of Claim 1, wherein said mammalian is human.
- 3. The reversibly immortalized mammalian liver cell line or the passage cell line thereof of Claim 1, wherein a promoter derived from virus is not contained.
  - 4. The reversibly immortalized mammalian liver cell line or the passage cell line thereof of Claim 1, wherein said reversibly immortalized mammalian liver cell line is CYNK-1 (deposited with International Patent Organism Depository, National Institute of Advanced Industrial Science and Technology, address: AIST Tsukuba Central 6, 1-1, Higashi 1-Chome, Tsukuba-shi, Ibaraki-ken, 305-8566 Japan, deposited date: March 10, 2004, accession number: FERM BP-08657).
    - 5. A mammalian liver cell obtainable by excising the

immortalizing gene from a reversibly immortalized mammalian liver cell line or a passage cell line thereof of Claim 1.

- 6. A bioartificial liver, comprising a reversibly immortalized
  mammalian liver cell line or a passage cell line thereof of Claim 1 or a mammalian liver cell of Claim 5.
- 7. A cell preparation, comprising as an active ingredient, a reversibly immortalized mammalian liver cell line or a passage cell line thereof of Claim 1 or a mammalian liver cell of Claim 5.
  - 8. A non-viral vector, comprising a non-vial promoter and encoding an immortalizing gene between a pair of site-specific recombination sequences and a suicide gene in the outside of the pair of site-specific recombination sequences.

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